

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/659,782B

Source:

IFU/6

Date Processed by STIC:

6/2/65

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 06/02/2005

PATENT APPLICATION: US/10/659,782B

TIME: 09:00:27

Input Set : A:\28238 sequence listing v2.txt

Output Set: N:\CRF4\06022005\J659782B.raw

3 <110> APPLICANT: Mintz, Liat  
 5 <120> TITLE OF INVENTION: Compositions, Reagents and Kits for and Methods of  
 Diagnosing,

6 Monitoring and Treating Obesity and/or Diabetes

8 <130> FILE REFERENCE: 28238

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/659,782B

11 <141> CURRENT FILING DATE: 2003-09-11

13 <160> NUMBER OF SEQ ID NOS: 42

15 <170> SOFTWARE: PatentIn version 3.3

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 4517

19 <212> TYPE: DNA

20 <213> ORGANISM: Homo sapiens

22 <400> SEQUENCE: 1

(pg. 6)

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| 25 | ctctgcccgg | gcatgaccag | gaaaccacga | ctcaagggcc | cggagtcctg  | cttcccctgc  | 120  |
| 27 | ccaagggggc | ctgcacaggt | tggatggcgg | gcatcccagg | gcatccgggc  | cataatgggg  | 180  |
| 29 | ccccaggccg | tgatggcaga | gatggcaccc | ctggtgagaa | gggtgagaaa  | ggagatccag  | 240  |
| 31 | gtcttatttg | tcctaaggga | gacatcgggt | aaaccggagt | acccggggct  | gaaggtcccc  | 300  |
| 33 | gaggctttcc | gggaatccaa | ggcaggaaa  | gagaacctgg | agaaggtgcc  | tatgtatacc  | 360  |
| 35 | gctcagcatt | cagtgtggga | ttggagactt | acgttactat | ccccaacatg  | cccattcgct  | 420  |
| 37 | ttaccaagat | cttctacaat | cagcaaaacc | actatgatgg | ctccactggg  | aaattccact  | 480  |
| 39 | gcaacattcc | tgggctgtac | tactttgcct | accacatcac | agtctatatg  | aaggatgtga  | 540  |
| 41 | aggtcagcct | cttcaagaa  | gacaaggcta | tgctcttcac | ctatgatcag  | taccaggaaa  | 600  |
| 43 | ataatgtgga | ccaggcctcc | ggctctgtgc | tcctgcatct | ggaggtgggc  | gaccaagtct  | 660  |
| 45 | ggctccaggt | gtatggggaa | ggagagcgta | atggactcta | tgctgataat  | gacaatgact  | 720  |
| 47 | ccaccttcac | aggctttctt | ctctaccatg | acaccaactg | atcaccacta  | actcagagcc  | 780  |
| 49 | tcctccaggc | caaacagccc | caaagtcaat | taaaggcttt | cagtacgggt  | aggaagttga  | 840  |
| 51 | ttattattta | gttggaggcc | tttagatatt | attcattcat | ttactcattc  | atttattcat  | 900  |
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| 57 | gtctctcctg | atgctcatat | caatcctata | aggcacaggg | aacaagcatt  | ctcctgtttt  | 1080 |
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| 73 | ctgatgtgat | atccactttt | ttttttttt  | gagatggagt | ctcactctgt  | cacccaggct  | 1560 |
| 75 | ggagtacagt | gacacgacct | cggctcactg | cagcctcctt | ctcctgggtc  | caagcaatta  | 1620 |
| 77 | ttgtgcctca | gcctcccag  | tagctgagac | ttcaggtgca | ttccaccaca  | catggctaata | 1680 |
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87 atcccttgca gatccttgat aaatgcctca tgaagaccaa tctcttgaat cccatatcta 1980
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93 ttccactgaa gttagggatg actgtgatct tcagaacacg tccagaattt ttcatacaaga 2160
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169 atatctatat tattgtattt aaaatgtgtt tcttacagac tgcagttagt tgggtataat 4440
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173 aaatggtgga atttaaa 4517
176 <210> SEQ ID NO: 2
177 <211> LENGTH: 484
178 <212> TYPE: DNA

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186 tatccccaac atgccattc gctttaccaaa gatcttctac aatcagcaaa accactatga      180
188 tggctccact ggtaaattcc actgcaacat tcttgggctg tactactttg cctaccacat      240
190 cacagtctat atgaaggatg tgaaggtcag cctcttcaag aaggacaagg ctatgctctt      300
192 cacctatgat cagtaccagg aaaataatgt ggaccaggcc tccggctctg tgctcctgca      360
194 tctggagggtg ggcgaccaag tctggctcca ggtgtatggg gaaggagagc gtaatggact      420
196 ctatgctgat aatgacaatg actccacctt cacaggcttt cttctctacc atgacaccaa      480
198 ctga
199                                     484
201 <210> SEQ ID NO: 3
202 <211> LENGTH: 718
203 <212> TYPE: DNA
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206 <400> SEQUENCE: 3
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209 ctctgcccgg gcatgaccag gaaaccacga ctcaagggcc cggagtcctg cttcccctgc      120
211 ccaagggggc ctgcacaggt tggatggcgg gcatcccagg gcatccgggc cataatgggg      180
213 cccagggccg tgatggcaga gatggcaccc ctggtgagaa gggtagagaa ggagatccag      240
215 gtcttattgg tcctaaggga gacatcggtg aaaccggagt acccggggct gaagggtccc      300
217 gaggctttcc gggaatccaa ggcaggaaaag gagaacctgg agaaggtgcg ttactatccc      360
219 caacatgccc attcgcttta ccaagatctt ctacaatcag caaaaccact atgatggctc      420
221 cactggtaaa ttccactgca acattcctgg gctgtactac tttgcctacc acatcacagt      480
223 ctatatgaag gatgtgaagg tcagcctctt caagaaggac aaggctatgc tcttcaccta      540
225 tgatcagtac caggaaaata atgtggacca ggcctccggc tctgtgctcc tgcactgga      600
227 ggtgggcgac caagtctggc tccagggtga tggggaagga gagcgtaatg gactctatgc      660
229 tgataatgac aatgactcca ccttcacagg ctttcttctc taccatgaca ccaactga      718
232 <210> SEQ ID NO: 4
233 <211> LENGTH: 537
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
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242 ccaagggggc ctgcacaggt tggatggcgg gcatcccagg gcatccgggc cataatgggg      180
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252 ttaccaagat cttctacaat cagcaaaacc actatgatgg ctccactggg aaattccact      480
254 gcaacattcc tgggctgtac cttcacaggc tttcttctct accatgacac caactga      537
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258 <211> LENGTH: 1306
259 <212> TYPE: DNA
260 <213> ORGANISM: Mus musculus
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267 tcatgccgaa gatgacgtta ctacaactga agagctagct cctgctttgg tccctccacc 180
269 caagggaact tgtgcagggt ggatggcagg catcccagga catcctggcc acaatggcac 240
271 accaggccgt gatggcagag atggcactcc tggagagaag ggagagaaag gagatgcagg 300
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279 tactaagatc ttctacaacc aacagaatca ttatgacggc agcactggca agttctactg 540
281 caacattccg ggactctact acttctctta ccacatcacg gtgtacatga aagatgtgaa 600
283 ggtgagcctc ttcaagaagg acaaggccgt tctcttcacc tacgaccagt atcaggaaaa 660
285 gaatgtggac caggcctctg gctctgtgct cctccatctg gaggtgggag accaagtctg 720
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310 &lt;212&gt; TYPE: DNA

311 &lt;213&gt; ORGANISM: Mus musculus

313 &lt;400&gt; SEQUENCE: 6

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357 &lt;212&gt; TYPE: DNA

358 &lt;213&gt; ORGANISM: Mus musculus

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367 caaggggaact tgtgcagggt ggatggcagg catcccagga catcctggcc acaatggcac      240
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409 &lt;400&gt; SEQUENCE: 8

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436 cactccctgg tctccacgac tcttacctg tagcaataac agaatagaaa tcacatttgg      840
438 tatgggggct tcacaatatc cgcactgact tctggaagta gaccatgcta tttttctgct      900
440 cactgtacac aaatattgtt cacataaacc ctataatgta aatatgaaat acagtgatta      960
442 ctcttctcac aggctgagtg tatgaattct aaagacccat aagtattaaa gtggtaggga      1020
444 taaattgg                                     1028

```

447 &lt;210&gt; SEQ ID NO: 9

448 &lt;211&gt; LENGTH: 306

449 &lt;212&gt; TYPE: DNA

450 &lt;213&gt; ORGANISM: Mus musculus

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 06/02/2005  
PATENT APPLICATION: US/10/659,782B      TIME: 09:00:28

Input Set : A:\28238 sequence listing v2.txt  
Output Set: N:\CRF4\06022005\J659782B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 626  
Seq#:34; Xaa Pos. 163

## VERIFICATION SUMMARY

DATE: 06/02/2005

PATENT APPLICATION: US/10/659,782B

TIME: 09:00:28

Input Set : A:\28238 sequence listing v2.txt

Output Set: N:\CRF4\06022005\J659782B.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:600

L:1711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:160